

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1.-10. (Canceled)

11. (New) A device for detecting a current-impressed signal, added to a DC supply current for a digital alarm line security system, comprising:

- a first current sensor element for detecting the current-impressed signal; and
- a current bypass branch provided in parallel to the first current sensor element, the current bypass branch representing a controlled constant current sink, wherein a control is performed in such a way that a current flowing through the first current sensor element contains the current-impressed signal having an essentially unreduced amplitude, and a reduced portion of a DC component of a supply current.

12. (New) The device as recited in Claim 11, wherein:

- the current bypass branch includes:

- a second current sensor element,
 - a control amplifier, and
 - an actuator for adjusting a resistance of the current bypass branch, the actuator being controlled by the control amplifier in such a way that a constant current adjusted to a setpoint value which is input at the control amplifier flows through the current bypass branch, the setpoint value being defined by a microprocessor as a function of time.

13. (New) The device as recited in Claim 11, further comprising:

- a digital-analog converter via which the setpoint value determined by the microprocessor is supplied to the control amplifier.

14. (New) The device as recited in Claim 12, further comprising:

- a third current sensing element installed in a supply current line, wherein the microprocessor picks up a supply current value for determining the setpoint value from the third current sensor element.

15. (New) The device as recited in Claim 14, wherein at least one of the first current sensor element, the second current sensor element, and the third current sensor element includes an ohmic resistor.

16. (New) The device as recited in Claim 12, further comprising:

an ohmic resistor installed between a reference potential point and the control amplifier, wherein the level of the setpoint value is adjusted to fluctuations of a reference potential of the control amplifier via the ohmic resistor.

17. (New) The device as recited in Claim 11, wherein the current-impressed signal has an amplitude between 10 mA and 15 mA.

18. (New) The device as recited in Claim 11, wherein a constant current through the current bypass branch is regulated in such a way that the reduced portion of the supply current flowing through the first current sensor element connected in parallel thereto is a maximum of 100 mA.

19. (New) The device as recited in Claim 12, wherein the actuator is a MOS field-effect transistor.

20. (New) A digital alarm line security system, comprising:

a device for detecting a current-impressed signal, added to a DC supply current for a digital alarm line security system, the device including:

a first current sensor element for detecting the current-impressed signal; and

a current bypass branch provided in parallel to the first current sensor element, the current bypass branch representing a controlled constant current sink, wherein a control is performed in such a way that a current flowing through the first current sensor element contains the current-impressed signal having an essentially unreduced amplitude, and a reduced portion of a DC component of a supply current.